

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Canceled).

Claim 2 (Previously Presented): The anesthetic syringe as set forth in claim 23, comprising a separator piston that is disposed behind the second hydraulic chamber and that is slidably mounted so as to be capable of reducing the size of the second hydraulic chamber.

Claim 3 (Previously Presented): The anesthetic syringe as set forth in claim 2, wherein the separator piston is slidably mounted so as to be capable of enlarging a pressurization space, displacement of said separator piston so as to enlarge the pressurization space effecting a reduction in the size of the second hydraulic chamber.

Claim 4 (Previously Presented): The anesthetic syringe as set forth in claim 3, wherein if the pressurization space is enlarged by displacing the separator piston the second hydraulic chamber is caused to become smaller by the same amount.

Claims 5-8 (Canceled).

Claim 9 (Previously Presented): The anesthetic syringe as set forth in claim 23, wherein the syringe comprises a key switch with a touch-sensitive surface that causes the control hole to open at least substantially parallel to the axis of movement of the slide valve when pressed.

Claim 10 (Previously Presented): The anesthetic syringe as set forth in claim 23, wherein a touch-sensitive surface of a key switch is disposed at least partially in a front half of the syringe.

Claim 11 (Previously Presented): The anesthetic syringe as set forth in claim 23, wherein an axis of movement of the slide valve is disposed perpendicular to a longitudinal direction of the syringe.

Claim 12 (Previously Presented): The anesthetic syringe as set forth in claim 23, wherein the slide valve is biased with a biasing force closing a control hole.

Claim 13 (Previously Presented): The anesthetic syringe as

set forth in claim 23, comprising an indexer piston that is connected to the first hydraulic chamber.

Claim 14 (Previously Presented): The anesthetic syringe as set forth in claim 13, wherein a foot of the indexer piston projects into the first hydraulic chamber.

Claim 15 (Previously Presented): The anesthetic syringe as set forth in claim 13, wherein the indexer piston is slidably mounted so as to protrude at least partially from the housing of the syringe, with a limit stop for limiting the exit thereof being provided.

Claim 16 (Previously Presented): The anesthetic syringe as set forth in claim 13, wherein the indexer piston is mounted so as to be biased against an exit direction.

Claim 17 (Canceled).

Claim 18 (Previously Presented): The anesthetic syringe as set forth in claim 23, wherein, in an inner end position, the feed piston completely lies within a feed cylinder.

Claim 19 (Canceled).

Claim 20 (Previously Presented): An anesthetic syringe as set forth in claim 23, wherein said feed piston is in use fed forward by a pressure in said first hydraulic chamber, wherein in a hydraulic system behind the first hydraulic chamber, there is a separator piston which protrudes into a pressure chamber and into said second hydraulic chamber, the separator piston being slidable so as to reduce the volume of one chamber selected from the group consisting of the pressure chamber and the second hydraulic chamber and to enlarge the volume of another chamber selected from the group consisting of the pressure chamber and the second hydraulic chamber when being slid.

Claims 21-22 (Canceled).

Claim 23 (Currently Amended): An anesthetic syringe comprising:

- (a) a slide valve comprising a front element;
- (b) a feed piston longitudinally slidable within a carpule volume, said feed piston having a feed piston pressure plate;
- (c) a first hydraulic chamber connected to said feed piston pressure plate;
- (d) a second hydraulic chamber behind said first hydraulic chamber and connected to said first hydraulic chamber so as to

allow for continuous regulation of flow resistance; and

(e) a control hole having an opening between said first hydraulic chamber and said second hydraulic chamber; and

(f) a spring connected to said slide valve, said spring biasing said slide valve to a rest condition wherein the opening of the control hole between said first hydraulic chamber and said second hydraulic chamber is closed;

wherein said slide valve has a slide valve pressure plate connected to said first hydraulic chamber;

wherein said front element protrudes into said first hydraulic chamber in order to allow for haptic feedback of pressure in said first hydraulic chamber; and

wherein said slide valve is capable of closing or progressively opening the opening of the control hole between said first hydraulic chamber and said second hydraulic chamber.

Claim 24 (Currently Amended): An anesthetic syringe comprising:

(a) a slide valve comprising a front element;

(b) a feed piston longitudinally slidable within a carpule volume, said feed piston having a feed piston pressure plate;

(c) a first hydraulic chamber behind said feed piston and connected to said feed piston pressure plate;

(d) a second hydraulic chamber behind said feed piston and

connected to said first hydraulic chamber so as to allow for continuous regulation of flow resistance; and

(e) a control hole having an opening between said first hydraulic chamber and said second hydraulic chamber; and

(f) a spring connected to said slide valve, said spring biasing said slide valve to a rest condition wherein the opening of the control hole between said first hydraulic chamber and said second hydraulic chamber is closed;

wherein said slide valve has a slide valve pressure plate connected to said first hydraulic chamber;

wherein said front element protrudes into said first hydraulic chamber in order to allow for haptic feedback of pressure in said first hydraulic chamber; and

wherein said slide valve is capable of closing or progressively opening the opening of the control hole between said first hydraulic chamber and said second hydraulic chamber.

Claim 25 (Currently Amended): An anesthetic syringe comprising:

(a) a slide valve comprising a front element;

(b) a feed piston longitudinally slidable within a carpule volume;

(c) a hydraulic system connected to said feed piston, said hydraulic system comprising at least a first hydraulic chamber;

(d) an indexer piston connected to said first hydraulic chamber and making pressure in said first hydraulic chamber optically recognizable, wherein a haptic feedback is provided alternatively or additionally;

(e) a second hydraulic chamber behind said first hydraulic chamber and connected to said first hydraulic chamber so as to allow for ~~continuous~~ regulation of flow resistance; and

(f) a control hole having an opening between said first hydraulic chamber and said second hydraulic chamber; and

(g) a spring connected to said slide valve, said spring biasing said slide valve to a rest condition wherein the opening of the control hole between said first hydraulic chamber and said second hydraulic chamber is closed;

wherein said slide valve has a slide valve pressure plate connected to said first hydraulic chamber;

wherein said front element protrudes into said first hydraulic chamber in order to allow for haptic feedback of the pressure in said first hydraulic chamber; and

wherein said slide valve is capable of closing or progressively opening the opening of the control hole between said first hydraulic chamber and said second hydraulic chamber.